Application No

	INTERNATIONAL SEARCH REP	OKI	PCT	/GB 03/03175	
A. CLASS	IFICATION OF SUBJECT MATTER		101	748 03/031/3	
i	CO7D409/12 CO7D413/12 CO7D4 A61K31/506 A61P11/00 A61P2	13/14 CO7 9/00 A61	7D403/12 7D417/12 LP35/00	C07D405/12 A61K31/5377	
	o International Patent Classification (IPC) or to both national clas SEARCHED	ssification and IPC			
	ocumentation searched (dassification system followed by classification sys	fication symbols)			
IPC 7	CO7D A61K	,,			
Documenta	tion searched other than minimum documentation to the extent t	hat such documents	are included in	the fields searched	
	ata base consulted during the international search (name of dat ternal, WPI Data, PAJ, CHEM ABS D	·	practical, search	terms used)	
		·			
C. DOCUMI	ENTS CONSIDERED TO BE RELEVANT	<del></del>	·	<del></del>	
Calegory	Citation of document, with indication, where appropriate, of the	e relevant passages		Relevant to claim No.	
X	GB 1 042 295 A (CHUGAI PHARMAC LTD) 14 September 1966 (1966-09 page 2, column 2, line 35 - lin claims 1,11; example 20	9-14)		1,2,5,8	
X	WO 01 25242 A (HUNT SIMON FRASE IAIN ALISTAIR STEWART (GB); AS 12 April 2001 (2001-04-12) page 12, line 28 -page 14, line 1-6,10-19; examples 6,10	1-21			
<b>X</b>	WO 00 09511 A (ASTRA PHARMA PROELIZABETH (GB); AUSTIN RUPERT (24 February 2000 (2000-02-24) page 30, line 3 -page 32, line 1-7,11-17; examples 231-235,272	(GB); BAX) 4: claims		1-21	
	. <del></del>	-/			
	•	/			
X Furth	ner documents are listed in the continuation of box C.	X Paten	t family member	s are listed in annex.	
"A" docume conside "E" earlier difling di "L" docume which i citation "O" docume other n "P" docume later th	nt which may throw doubts on priority claim(s) or s cited to establish the publication date of another or other special reason (as specified) and reterring to an oral disclosure, use, exhibition or neans nt published prior to the international filing date but an the priority date claimed	or priority of cited to un invention  "X" document of cannot be involve an "Y" document of cannot be document ments, sud in the art.	date and not in a derstand the print of particular relevants of the considered nove inventive step with particular relevances of the considered to in a combined with the combination because of the combination of the combin	ter the international filing date conflict with the application but inciple or theory underlying the sance; the claimed invention of cannot be considered to when the document is taken alone ance; the claimed invention volve an inventive step when the one or more other such documeting obvious to a person skilled ame patent family	
	actual completion of the International search			national search report	
16 October 2003		04/	04/11/2003		
Name and m	nailing address of the ISA European Patent Office, P.B. 5818 Palentlaan 2 N. – 2280 HV Rijswijk	Authorized	officer		
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Han	isch, I		

Form PCT/ISA/210 (second sheet) (July 1992)

Application No PCT/GB 03/03175

ategory °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT  Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
(	WO 01 58906 A (BONNERT ROGER; HUNT FRASER (GB); WILLIS PAUL (GB); ASTRAZENECA AB) 16 August 2001 (2001-08-16) page 12, line 21 -page 15, line 12; claims 1-7,9-17; examples		1-21
-			
			·
			·

Form PCT/ISA/210 (continuation of second sheet) (July 1992)

International application No. PCT/GB 03/03175

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
SON 1 Obdervations where der min claims were round undeardiguic (Obtaination of Item 1 of the disco-
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.:     because they relate to subject matter not required to be searched by this Authority, namely:
2. X Claims Nos.:  because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
colors only trace diamine for which reco were paid, specifically claims hos
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the Invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.
La protest accompanies are payment of auditorial seafor less.

Form PCT/ISA/210 (continuation of first sheet (1)) (July 1998)

International Application No. PCT&B 03 03175

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

It is noted that the application refers to "prodrugs" and "in vivo hydrolysable esters". Both are functional definitions which attempt to define a chemical compound in terms of a result to be achieved. This is not allowable (Article 6 PCT). The said terms have not been searched and should be deleted. "Prodrugs" and "in vivo hydrolysable esters" are functional definitions without a specific technical guidance for the selection of the suitable derivatives in the description and without proven general knowledge to show which derivatives are suitable prodrugs or which esters are indeed hydrolysable under in vivo conditions. The term could be seen as a mere invitation to the skilled person to perform a research program in order to find the suitable variants. Page 5, line 33-page 6, line 2 confirms this by stating "such esters can be identified by administering intravenously to a test animal the compound under test and subsequently examining the test animal's body fluid". In such a situation, when the invention cannot be carried out over the whole claimed area without imposing an undue burden, the disclosure may be considered insufficient in the sense of Article 5 PCT, even when simple in vivo or in vitro tests are available to determine whether or not a particular compound is covered by the claims.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

Information on patent family members

Application No PCT/GB 03/03175

Patent document cited in search report   Publication date   Patent tamily member(s)   Publication date    GB 1042295   A					
CH 460022 A 31-07-1968 DE 1445609 A1 09-01-1969 FR 3106 M FR 1383287 A 24-12-1964 NL 127990 C NL 302745 A US 3328395 A 27-06-1967  WO 0125242 A 12-04-2001 AU 7304900 A 10-05-2001 BR 0014334 A 11-06-2002 CA 2385269 A1 12-04-2001 CN 1402730 T 12-03-2003 CZ 20021113 A3 12-06-2002 EE 200200174 A 15-04-2003 EP 1222195 A1 17-07-2002 EP 1348709 A2 01-10-2003 WO 0125242 A1 12-04-2001 HU 0204246 A2 28-04-2003 JP 2003511384 T 25-03-2003 NO 20021448 A 22-05-2002 NZ 517880 A 26-09-2003  WO 0009511 A 24-02-2000 AT 231872 T 15-02-2003 WO 0009511 A 24-02-2000 CA 2338600 A1 24-02-2000 DE 69905170 D1 06-03-2000					
WO 0125242 A 12-04-2001 AU 7304900 A 10-05-2001 BR 0014334 A 11-06-2002 CA 2385269 A1 12-04-2001 CN 1402730 T 12-03-2003 CZ 20021113 A3 12-06-2002 EE 200200174 A 15-04-2003 EP 1222195 A1 17-07-2002 EP 1348709 A2 01-10-2003 WO 0125242 A1 12-04-2001 HU 0204246 A2 28-04-2003 JP 2003511384 T 25-03-2003 NO 20021448 A 22-05-2002 NZ 517880 A 26-09-2003 WO 0009511 A 24-02-2000 AT 231872 T 15-02-2003 AU 5662599 A 06-03-2000 CA 2338600 A1 24-02-2000 DE 69905170 D1 06-03-2003	GB 1042295 A	14-09-1966	CH DE FR FR NL NL	460022 A 1445609 A1 3106 M 1383287 A 127990 C 302745 A	31-07-1968 09-01-1969 24-12-1964
NO 20021448 A 22-05-2002 NZ 517880 A 26-09-2003 WO 0009511 A 24-02-2000 AT 231872 T 15-02-2003 AU 5662599 A 06-03-2000 CA 2338600 A1 24-02-2000 DE 69905170 D1 06-03-2003	WO 0125242 A	12-04-2001	AU BR CA CN CZ EE EP EP	7304900 A 0014334 A 2385269 A1 1402730 T 20021113 A3 200200174 A 1222195 A1 1348709 A2 0125242 A1	10-05-2001 11-06-2002 12-04-2001 12-03-2003 12-06-2002 15-04-2003 17-07-2002 01-10-2003 12-04-2001
1)K 1 1 1 1 4 4 2 5 1 3 - 2 5 - 2 10 - 2 10 1 3	WO 0009511 A	24-02-2000	JP NO NZ AT AU CA	2003511384 T 20021448 A 517880 A 231872 T 5662599 A 2338600 A1	25-03-2003 22-05-2002 26-09-2003 
	WO 0158906 A	16-08-2001	GB GB AU EP JP WO	2359079 A 2359080 A 3255601 A 1257555 A1 2003522191 T 0158906 A1	15-08-2001 15-08-2001 20-08-2001 20-11-2002 22-07-2003 16-08-2001